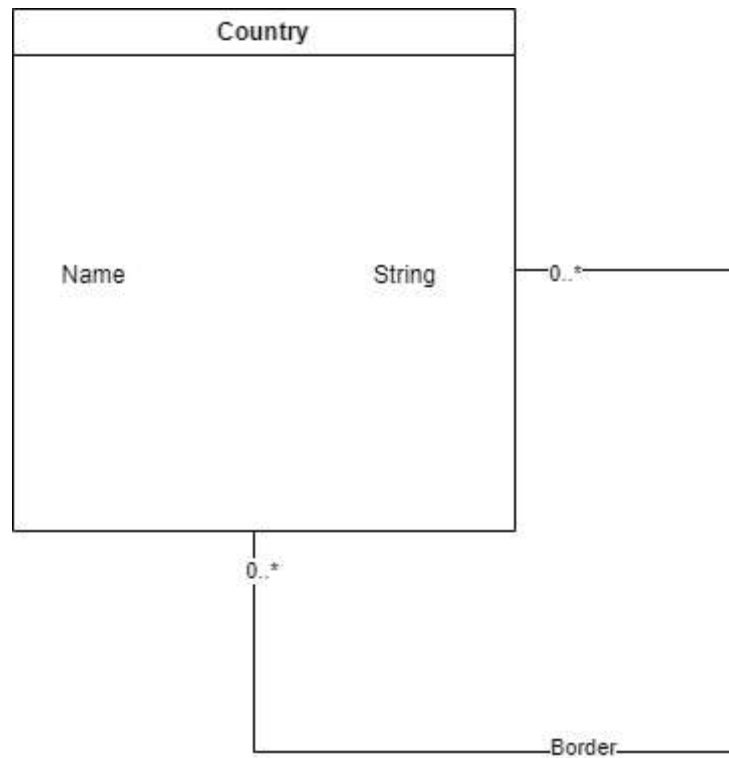


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Q1:



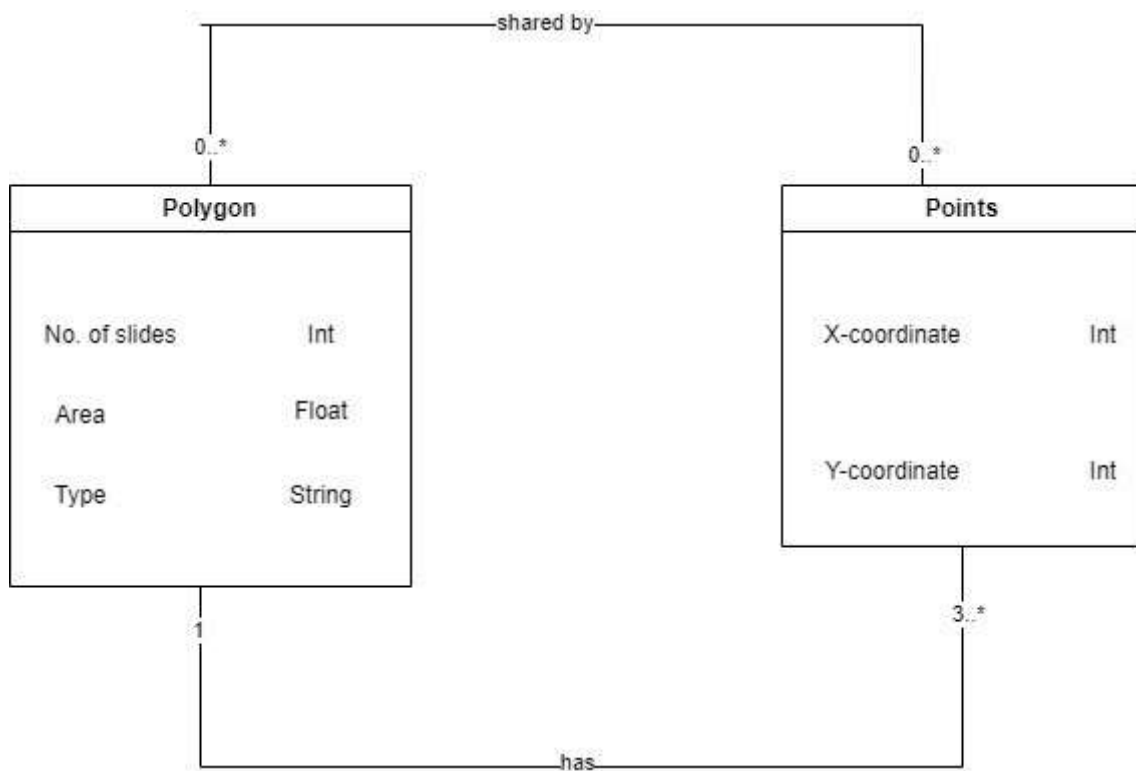
Q2:

a) Multiplicity:

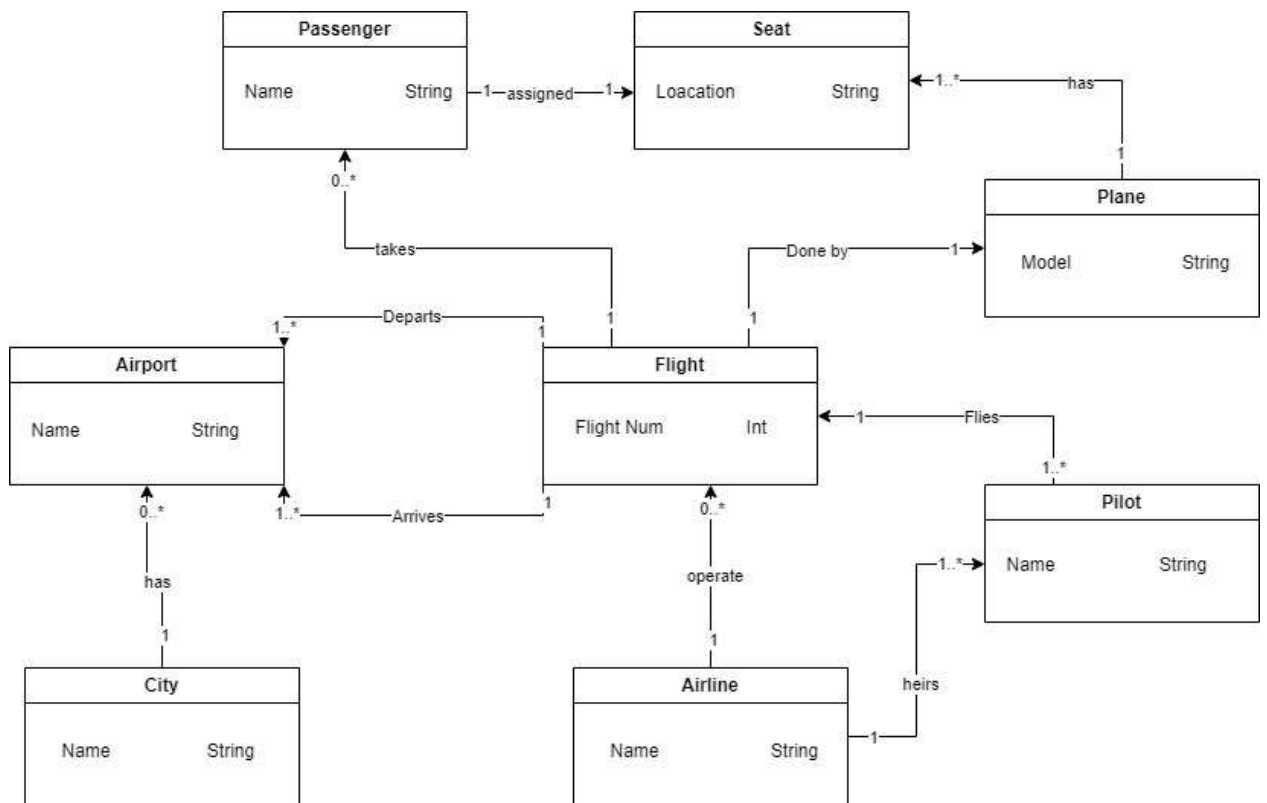
- We know that a polygon requires atleast 3 points so the multiplicity is 1–3..\*
- Also a point can belong to one or more polygon so the multiplicity is 0..\* – 0..\*

b) the smallest no. of points required to construct a polygon is 3.

c) Yes, points can belong to multiple polygons allowing the polygons to intersect or share edges. Points belong to only one polygon, representing distinct non intersecting polygons.



Q3:



Q4:

